

CLAIMS

What is claimed is:

1. In a speech recognition system, a method of nonvisual enrollment comprising:
playing an audio representation of an enrollment script;
as said enrollment script is playing, receiving shadowed speech from a user
wherein said shadowed speech lags the enrollment script; and
recording said received shadowed speech for enrolling the user into the speech
recognition system.
2. The method of claim 1, further comprising:
enrolling the user in the speech recognition system by constructing acoustic
models based upon the enrollment script and said received shadowed speech.
3. The method of claim 1, wherein said playing step comprises:
playing a recording of a human voice dictating the enrollment script.
4. The method of claim 1, wherein said playing step comprises:
playing the enrollment script using a text-to-speech system.
5. The method of claim 1, further comprising:
pausing said playing of the enrollment script responsive to a user input.
6. The method of claim 5, further comprising:
resuming said playing of the enrollment script responsive to a user input.
7. The method of claim 1, further comprising:
monitoring said received shadowed speech and said playing of said enrollment
script; and

selectively altering the playback speed of the enrollment script according to said monitoring step.

8. The method of claim 1, said receiving shadowed speech step further comprising:
receiving a speech sample comprising at least a predetermined minimum amount of shadowed user speech;
receiving additional shadowed user speech; and
selectively replacing a portion of said speech sample with a portion of said additional shadowed user speech.

9. The method of claim 2, said receiving shadowed speech step further comprising:
receiving a speech sample comprising more than a predetermined minimum amount of shadowed user speech; and
selectively excluding a portion of said speech sample from said enrollment step.

10. The method of claim 1, wherein said receiving shadowed speech step comprises:

receiving shadowed speech substantially simultaneously with said playing of the enrollment script.

11. A machine-readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

playing an audio representation of an enrollment script;
as said enrollment script is playing, receiving shadowed speech from a user wherein said shadowed speech lags the enrollment script; and
recording said received shadowed speech for enrolling the user into the speech recognition system.

- 1 12. The machine-readable storage of claim 11, further comprising:
2 enrolling the user in the speech recognition system by constructing acoustic
3 models based upon the enrollment script and said received shadowed speech.
- 1 13. The machine-readable storage of claim 11, wherein said playing step comprises:
2 playing a recording of a human voice dictating the enrollment script.
- 1 14. The machine-readable storage of claim 11, wherein said playing step comprises:
2 playing the enrollment script using a text-to-speech system.
- 1 15. The machine-readable storage of claim 11, further comprising:
2 pausing said playing of the enrollment script responsive to a user input.
- 1 16. The machine-readable storage of claim 15, further comprising:
2 resuming said playing of the enrollment script responsive to a user input.
- 1 17. The machine-readable storage of claim 11, further comprising:
2 monitoring said received shadowed speech and said playing of said enrollment
3 script; and
4 selectively altering the playback speed of the enrollment script according to said
5 monitoring step.
- 1 18. The machine-readable storage of claim 11, said receiving shadowed speech
2 step further comprising:
3 receiving a speech sample comprising at least a predetermined minimum
4 amount of shadowed user speech;
5 receiving additional shadowed user speech; and
6 selectively replacing a portion of said speech sample with a portion of said
7 additional shadowed user speech.

1 19. The machine-readable storage of claim 12, said receiving shadowed speech
2 step further comprising:

3 receiving a speech sample comprising more than a predetermined minimum
4 amount of shadowed user speech; and
5 selectively excluding a portion of said speech sample from said enrollment step.

1 20. The machine-readable storage of claim 11, wherein said receiving shadowed
2 speech step comprises:

3 receiving shadowed speech substantially simultaneously with said playing of the
4 enrollment script.
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